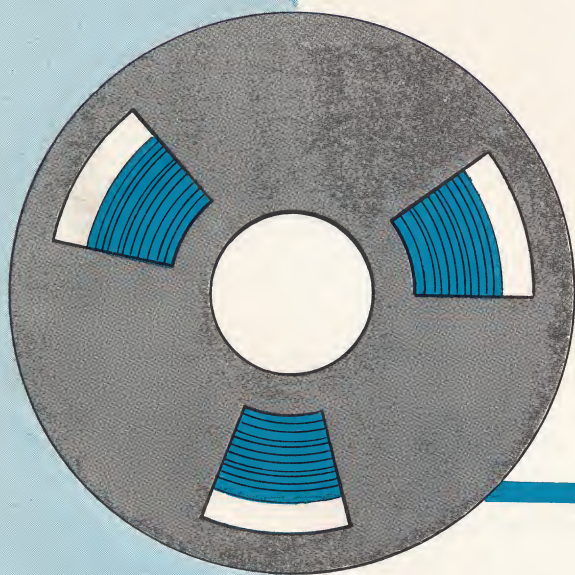


MAGNETIC TAPE EQUIPMENT



VIRGINIA PANEL CORP.

WAYNESBORO, VIRGINIA 22980



MAGNETIC TAPE CLEANER

1. Two magnetic tape drive motors to assure constant torque.
2. Tape Cleaner scrapes oxide side with tungsten carbide edge.
3. Wipes both sides of tape with treated disposable pads before and after scraping.
4. Easy to load. Just start and forget it.
5. Photoelectric cells automatically rewind.
6. Cleaner cuts off upon completion of cleaning.
7. Rehabilitates dirty tape.
8. Prevents or minimizes dropout.
9. Tape deck mounted at an angle for ease of operation.

- The Models A & B Tape Cleaners are manufactured and distributed by Virginia Panel Corporation. The Cleaner scrapes and wipes oxide removing wear products, dirt, loose oxide, lint, and other particles from magnetic tape. The cleaning process is completely mechanical; no dangerous or messy chemical solvents are used; nor is there any electrical field. Therefore, it is completely safe—it will absolutely have no effect on the recorded data on the tapes. Both blank and recorded tape can be cleaned with equal safety.

This device can mean the following to the user:

- 1. Prevents, or minimizes dropouts. Saves valuable computer time and man hours.
- 2. Prevents perfectly good, although dirty, tapes from being discarded—thus more mileage can be gotten from each reel of tape.
- 3. Prevents the loose particles from redistributing over the transport; thereby cutting down on maintenance.

Operating Magnetic Tape Cleaner - Fast and Easy



- 1** The feed hub is on the left hand side and the take-up hub is on the right. Both hubs are equipped with quick-release reel knobs. Both the take-up capstan and the feed capstan are driven by synchronous magnetic tape drive motors. The processing time for cleaning and rewinding a 2400-foot reel of tape is approximately seven minutes.
- 2** The scraping action of the tape is accomplished by using a tungsten carbide edge. This precision ground edge is extremely hard, and has four sides that may be utilized. Unless damaged, the carbide edge will not harm the tape in any manner.
- 3** The wiping action of the tape is accomplished by four treated wiping tissues which remove loose particles from both surfaces before and after the scraping action is accomplished. A new surface or section of wiping tissue should be used for each reel of tape. This is done by rotating the wiping reels slightly in a clock-wise manner, approximately one-eighth of a turn. When the tissue is exhausted, a new supply may be installed by simply removing the disposable spools and inserting clean reels. Threaded caps hold the spool in place.
- 4** A tape is loaded on the left-hand side of the Cleaner with the take-up capstan on the right side. The tape reels should have a file protector area facing the tape cleaner with the tape being removed from the reel and onto the take-up reel in a clock-wise manner with the oxide side

of the tape facing the tungsten carbide edge. If there is no data on the tape and the operator does not want to use the rewind feature, the take-up reel may be placed with the file protector area facing the operator in such way that when the tape is rewound on the take-up reel, it automatically is placed or wrapped in the same manner as required for usage. The photoelectric cells are overridden to prevent automatic rewind by an off-on switch on the back of the unit.

- 5** Before the tape has been properly threaded, the off-on power switch should be turned on to allow the photoelectric amplifier to warm—three to five minutes is sufficient. Guide spools for the tape are mounted in ball bearing surfaces to prevent unnecessary tension on the tape. The pressure of the wiping tissue and the carbide blade have been adjusted for maximum efficiency and minimum tension. After the tape has been properly threaded as shown on the photograph the cleaning process is started by depressing the switch immediately above the power switch. When photoelectric cells are used, the end of tape sensor automatically starts the tape to rewind. Upon completion of the rewind, the unit automatically cuts off. Tape reels do not have to be transposed for rewinding nor does the tension on the tape need to be adjusted.

Manufacturer

VIRGINIA PANEL CORP.

WAYNESBORO, VIRGINIA 22980

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of
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for
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WAYNESBORO, VIRGINIA 22980

For Additional Information Contact V. P. C. or Your Local Representative

YOUR
Local Representative
Is:



VIRGINIA

PANEL Corporation

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DIAL AREA CODE 703 942-8376
WAYNESBORO, VIRGINIA-22980

Mr. T. H. Nelson
Systems Consultant
Box 1546
Poughkeepsie, New York 12603

November 18, 1965

Dear Mr. Nelson:

Thank you for your inquiry on our Magnetic Tape Cleaner; we are enclosing brochures on this. There are some features concerning this Cleaner not listed on the literature. The capstan motors used in this equipment are identical to those used in many tape drives. Each capstan has its own independent motor. These motors are constant torque which provide uniform tension on the tape and against the wiper pads, as well as the tungsten carbide edges.

Cleaning and rewinding of a 2400-foot reel of tape is accomplished in approximately seven minutes. These are highly recommended for preventive, as well as corrective, maintenance; and are 100% efficient over 80% of the time. There are two cleaning processes: scraping and wiping. The non-wearing tungsten carbide blade is used for the scraping. The disposable wiping pads are advanced after each reel of tape has been cleaned, and are usable for approximately two hundred reels of tape. These may be replaced very easily, and are \$2.50 each.

We would also like to point out that there is a limit switch that is a delayed action type of switch. This eliminates the possibility of any quick on-and-off action, and thus prevents the possibility of any slack in the tape snapping or breaking the tape.

There are two Tape Cleaner models: the "A" Model utilizes the automatic rewind which picks up the end of tape censor with photoelectric cells; this Model sells for \$1475. The "B" Model utilizes the manual rewind, however, it is not necessary to rethread the tape; this Model sells for \$1175.

We are, by way of this letter, introducing you to our representatives in your area, Martin Systems Company, P. O. Box 750, Peekskill, New York, telephone PE 7-8225, who will visit you at your convenience to answer any further questions you may have concerning our Magnetic Tape Cleaner.

Yours truly,
VIRGINIA PANEL CORP.

John E. Taylor, Jr.
John E. Taylor, Jr.
President

JETJr:fc
Enc.
cc: Martin Systems Company